

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001468**Date Inspected:** 30-Mar-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1200**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2359**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** OBG 3AE, Counterweight box, Box Girders**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

OFFICE

Sorted and organized project documentation with ABF QA Bill Oak in morning.

Counterweight:

Checked fabrication of three concrete box counterweights with ABF Bill Oak Caltran QA Lumley and Mr. Oak inspected fabrication of these structures and discovered that additional grind was required of sharp edges of base metal surfaces prior to relocation into the blast shop. Component numbers as follows: CW001-PPO16, CW001-PP020, CW001-PP022.

Box Girders:

A joint three party inspection was performed with Caltrans QA Lumley ABF Bill Oak and ZPMC QC representatives of the faying surfaces and cover plate areas and cover plate base metal surfaces. SSPC -10 was achieved and profiles were obtained and ranged 73um-79um. Also concurrent with this inspection one bottom plate base metal surfaces was abrasive blasted and inspected, areas were designated for grinding and additional blasting ZPMC performed said re-work and application of Interzinc 22 commenced.

OBG 3AE

Adhesion testing was performed on the interior surfaces previously coated with Interzinc 22 and the following values were observed and recorded: 1) 6.53 Mpa 2) 9.85 Mpa 3) 10.12 Mpa 4) 6.76 Mpa 5) 9.34Mpa

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Summary of Conversations:

.Caltrans QA Lumley was informed by task leader of work-shift change today, new shift for coatings shall be from 1200 to 0001hrs.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang. (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
